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# **TEST PLAN DOCUMENT FOR FLIPKART E-COMMERCE APPLICATION**

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**Project: Flipkart Website Testing (Manual  
Testing Project)**

## INTRODUCTION

The purpose of this Test Plan is to outline the strategy, scope, objectives, and approach for testing the application. The primary goal is to ensure that all core functionalities work as expected, meet business requirements, and provide a seamless user experience. Since the application handles critical data such as user profiles, payments, and order details, systematic and thorough testing is essential to maintain quality, reliability, and security.

## TEST OBJECTIVES

The objective of this Test Plan is to ensure that the Flipkart application works correctly.

Key objectives:

1. Verify core functionalities of Flipkart website including login, search, cart, payment, wishlist, orders, and logout.
2. Ensure website usability, UI alignment, and responsiveness across browsers and devices.
3. Validate security aspects like login sessions and user data protection.

## SCOPE OF TESTING

### In Scope

- Login, signup, logout, and OTP verification.
- Homepage navigation, search bar functionality, and product search.
- Product details, add to cart, remove from cart, and wishlist features.
- Checkout workflow including COD, card payment, UPI, net banking, and coupon codes.
- Orders module: search, filter, track, and cancel orders.
- Profile update and address management.
- Website performance, browser compatibility, and mobile responsiveness.

### Out of Scope

- Admin panel or backend testing.
- Real payment transaction verification.
- Third-party service reliability (couriers, payment gateways). Flipkart mobile application testing.

## TEST STRATEGY

We will test the Flipkart website manually to ensure it works correctly, is secure, and provides a smooth user experience.

1. Functional Testing – Login, search, cart, payment, wishlist, orders, and logout.
2. UI/UX Testing – Layout, buttons, input fields, and responsiveness on desktop & mobile.
3. Compatibility Testing – Different browsers (Chrome, Firefox, Edge, Safari) and devices.
4. Security Testing – Login, session, and payment security.
5. Performance Testing – Page load speed and behavior under slow internet.
6. Testing Levels – Unit, Integration, System, and Regression testing.

## TEST ENVIRONMENT & TOOLS

- Browsers: Chrome, Firefox, Edge
- Devices: Desktop and mobile (Android/iOS)
- Network: Stable internet connection
- Tools: Excel (for test cases),

## TEST MODULES AND FEATURES TO BE TESTED

### Login

->Test login with valid credentials, invalid credentials, OTP verification, and check proper error messages

### Search

->Test search bar functionality, suggestions, filters, sorting, and invalid input handling

### Cart

->Test adding/removing products, updating quantities, subtotal & total calculation, and cart persistence

### Payment

->Test payment methods (COD, card, UPI, net banking), coupon code application, and session timeout handling

**Wishlist** ->Test adding/removing products, UI alignment, cross-browser compatibility, and mobile responsiveness

**Orders** ->Test order search, filter by status/date, cancel eligible orders, and view order details

**Logout** ->Test successful logout, session termination, and logout across multiple devices

## TEST DELIVERABLES

**Test Plan Document:** Defines scope, objectives, strategy, and approach.

**Test Cases:** 80-90 detailed test cases covering login, search, cart, checkout, wishlist, and payment.

**Bug Reports:** if any defects are found, they will be logged with severity & priority.

**Test Summary Report:** Overall testing results, pass/fail ratio, and open defects.

**Screenshots / Evidence:** Supporting screenshots for defects and test execution.

## ROLES AND RESPONSIBILITIES

### Test Engineer

- Prepare the Test Plan for Flipkart website testing.
- Design and document test cases covering login, search, cart, checkout, wishlist, and payment.
- Execute manual testing and identify defects.
- Report and track bugs using Excel or Google Sheets.
- Prepare the Test Summary Report with pass/fail results.
- Validate usability, performance, compatibility, and security aspects of the website.

## ENTRY AND EXIT CRITERIA

### Entry Criteria

- Test Plan and Test Cases are prepared and reviewed.
- Test environment (browsers, devices, OS) is ready.
- Test data (user accounts, products, addresses) is available.
- Flipkart website is accessible and stable for testing.

### Exit Criteria

- All planned test cases are executed.
- All critical and major defects are reported and resolved.
- Test Summary Report is prepared showing pass/fail results. Usability, performance, and security validations are completed.

## SCHEDULE &TIMELINE

Phase	Duration / Date
Test Plan Creation	25 Aug 2025
Test Scenario Preparation	25 Aug 2025
Test Execution (Manual Test Cases & Bug Reporting)	25 Aug 2025
Test Summary Preparation	25 Aug 2025

## RISKS & MITIGATION

Risk	Mitigation
Test environment/browser compatibility issues	Test on multiple browsers and devices; document any issues
Flipkart website UI changes during testing	Update test cases accordingly; focus on stable workflows
Incomplete or missing test data	Prepare sample user accounts, addresses, and products before testing
High page load or performance delays	Note performance issues in bug reports; focus on critical workflows
Network or internet connectivity problems	Use stable internet connection; perform testing during off-peak hours